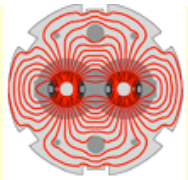
Were are we now…

- 3 proposals are actively working
  - Space-charge tracking, e-cloud and impedance/instab.
  - collaborative efforts by several labs
- 1 proposal is ready pending more detail of PS2
  - bunch-by-bunch feedbacks
- We have an infrastructure for information exchange
  - PS2 Wiki (CERN, R. de Maria)
  - PS2 Web area (SLAC, TWM & UW)
- We meet regularly
  - organizational & technical, CERN staff usually attends

In other words…

A collaboration has formed



PS2 Wiki (de Maria)

https://twiki.cern.ch/twiki/bin/view/Main/PS2Collaboration

Circunference	m	1346.4
Harmonic Number		180
Number of bunches		168
Bunch spacing	ns	25
RF Frequency	MHz	40
Transition gamma		35i
Injection Energy	GeV	4
Extraction Energy	GeV	50
Max Bending Field	T	1.7
Max Gradient	T/m	18
Ramp time	s	1.2
Cycle time	s	2.4
Horiz. Tune		13.25
Vertical. Tune		8.2
Dipole length	m	3.7
Beta max	m	59
Dispersion max	m	3.3
Chamber shape		under discussion
Chamber half width	cm	5.5 to 8 under discussion
Chamber half height	cm	3 to 5 under discussion

General Status of Tasks

- "Getting the Machinery Going"
  - demonstrating codes can read-in & run lattices,
  - first look at instabilities
  - first look at e-cloud density
  - etc.
- With PS2 lattice stabilized and other details becoming available, effort is ramping up
- Everything done so far has been on a "good-will" basis.

Organization of this Session

- Report by Riccardo about the PS2 studies
- Status of the active proposals
  - Space-charge simulations……R. Ryne/P. Spentz.
  - e-Cloud investigations……M. Furman
  - Impedance & instabilities……K. Bane
  - Multibunch & feedback……...C. Rivetta
  - Ionization Profile Monitor……...R. de Maria
  - SNS Laser stripping workshop
    & laser stripping for PS2……R. Wilcox
- Tying it together……..U. W.